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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/767,078	01/30/2004	Masayuki Nakamura	501.33808CV4	6119
20457 7	7590 09/27/2004		EXAMINER	
ANTONELLI, TERRY, STOUT & KRAUS, LLP			NGUYEN, TAN	
1300 NORTH SEVENTEENTH STREET SUITE 1800			ART UNIT	PAPER NUMBER
	, VA 22209-9889		2818	

DATE MAILED: 09/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		- In	
	Application No.	Applicant(s)	
Office Action Symmony	10/767,078	NAKAMURA ET AL.	
Office Action Summary	Examiner	Art Unit	
The MAILING DATE of this communication	Tan T. Nguyen	2818	
The MAILING DATE of this communication Period for Reply	appears on the cover sheet wit	n the correspondence address	
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by stany reply received by the Office later than three months after the mearned patent term adjustment. See 37 CFR 1.704(b).	NN. R 1.136(a). In no event, however, may a re reply within the statutory minimum of thirty riod will apply and will expire SIX (6) MON atute, cause the application to become AB.	ply be timely filed (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on 2: This action is FINAL . 2b) ☑ T Since this application is in condition for allo closed in accordance with the practice under	This action is non-final. wance except for formal matte		
Disposition of Claims			
4) Claim(s) 1-24 is/are pending in the applicate 4a) Of the above claim(s) is/are with 5) Claim(s) 1-17 and 21-24 is/are allowed. 6) Claim(s) 18-20 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and	drawn from consideration.		
Application Papers			
9) The specification is objected to by the Exam 10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the cor 11) The oath or declaration is objected to by the	accepted or b) objected to be the drawing(s) be held in abeyan rection is required if the drawing(ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the papplication from the International Bur * See the attached detailed Office action for a	nents have been received. Itents have been received in Appriority documents have been reau (PCT Rule 17.2(a)).	oplication No received in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892)	4) ☐ Interview S	ummary (PTO-413)	
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB Paper No(s)/Mail Date 	Paper No(s	//Mail Date formal Patent Application (PTO-152)	

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1. The following action is in response to the amendment filed by Applicants on August 25, 2004.

- 2. Claims 1-24 are pending.
- 3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 18-20 are rejected under 35 U.S.C. 102(b) as being anticipated by O'Toole et al. (U.S. Patent No. 5,212,442).

O'Toole et al. disclosed in Figure 1 a memory circuit [10] includes a charge pump [24] (column 1, line 40). The charge pump [24] is powered by a first power supply voltage [VCC] and a second power supply voltage [VSS] and generates the –1 volt [VBB] voltage for driving the substrate (column 1, lines 45-47). O'Toole et al. further disclosed during testing, the positive power supply voltage [VCC] and the substrate voltage [VBB] are varied in order to stress certain failure mechanisms and identify both failed and marginally performing circuits (column 1, 53-57). As O'Toole et al. disclosed above that the charge pump [24] generates the substrate voltage [Vbb] of –1 volts from the first power supply voltage [VCC], therefore, as the first power supply voltage [VCC] is varied, the substrate voltage [VBB] is all varied accordingly to the power supply voltage [VCC].

Regarding claim 19, although O'Toole did not specifically disclosed what type of testing operation applied to the memory circuit, the burn-in test would be one of the tests applied to the memory circuit.

Regarding claim 20, the substrate in the memory circuit [10] in Figure 1 would inherently include a P-type region.

5. Applicant's arguments with respect to claims 18-20 have been considered but are most in view of the new ground(s) of rejection.

The Examiner agreed with Applicant's assertion of the effective filing date of the present application which makes the U.S. Patent to Gins is inapplicable. A new reference to O'Toole et al. with earlier filing has been found and applied to claims 18-20.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan T. Nguyen whose telephone number is (571) 272-1789. The examiner can normally be reached on Monday to Friday from 07:00 AM to 03:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms, can be reached at (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Tan T. Nguyen Primary Examiner Art Unit 2818 September 22, 2004 Page 4